

Borealis PP RC196

Polypropylene

Borealis AG

Message:

RC196 is a 30% mineral filled polypropylene compound intended for injection moulding.

General Information			
Filler / Reinforcement	Mineral filler, 30% filler by weight		
Features	Rigid, good		
	Impact resistance, good		
	Good UV resistance		
	Recyclable materials		
Uses	Car interior equipment		
	Car exterior decoration		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.12	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	24	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	20.0	MPa	ISO 527-2/50
Flexural Modulus ¹	2500	MPa	ISO 178
Flexural Stress	35.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	2.5	kJ/m²	ISO 180/1A
23°C	7.0	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	60.0	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flammability (1.00 mm)	100	mm/min	ISO 3795
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 - 240	°C	
Mold Temperature	20.0 - 40.0	°C	
Injection Rate	Slow-Moderate		
Injection instructions			
Holding Pressure: 50 - 70% of Injection Pressure			
NOTE			

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Recommended distributors for this material

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